



Protein

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
Search		Protein	for				Go	Clear
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☐ 1: A34169. alpha-2A-adrenerg...[gi:105270]

 BLink, Domains, OMIM, Related Sequences, Domain  
 Relatives, PubMed, Taxonomy, LinkOut

LOCUS A34169 450 aa linear PRI 29-OCT-1999  
 DEFINITION alpha-2A-adrenergic receptor - human.  
 ACCESSION A34169  
 VERSION A34169 GI:105270  
 DBSOURCE pir: locus A34169;  
 summary: #length 450 #molecular-weight 49016 #checksum 6268;  
 genetic: #gene GDB:ADRA2A; ADRAR; ADRA2; ADRA2R ##cross-references  
 GDB:120538; OMIM:104210 #map\_position 10q25-10q25 #introns #status  
 absent #status absent;  
 superfamily: vertebrate rhodopsin;  
 PIR dates: 22-Jan-1993 #sequence\_revision 22-Jan-1993 #text\_change  
 29-Oct-1999.

KEYWORDS G protein-coupled receptor; transmembrane protein.  
 SOURCE Homo sapiens.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (residues 1 to 450)  
 AUTHORS Kobilka,B.K., Matsui,H., Kobilka,T.S., Yang-Feng,T.L., Francke,U.,  
 Caron,M.G., Lefkowitz,R.J. and Regan,J.W.  
 TITLE Cloning, sequencing, and expression of the gene coding for the  
 human platelet alpha 2-adrenergic receptor  
 JOURNAL Science 238 (4827), 650-656 (1987)  
 MEDLINE 88042789  
 PUBMED 2823383

REFERENCE 2 (residues 1 to 450)  
 AUTHORS Fraser,C.M., Arakawa,S., McCombie,W.R. and Venter,J.C.  
 TITLE Cloning, sequence analysis, and permanent expression of a human  
 alpha 2-adrenergic receptor in Chinese hamster ovary cells.  
 Evidence for independent pathways of receptor coupling to adenylate  
 cyclase attenuation and activation  
 JOURNAL J. Biol. Chem. 264 (20), 11754-11761 (1989)  
 MEDLINE 89308571  
 PUBMED 2568356

REFERENCE 3 (residues 1 to 450)  
 AUTHORS Chhajlani,V., Rangel,N., Uhlen,S. and Wikberg,J.E.  
 TITLE Identification of an additional gene belonging to the alpha 2  
 adrenergic receptor family in the human genome by PCR  
 JOURNAL FEBS Lett. 280 (2), 241-244 (1991)  
 MEDLINE 91192139  
 PUBMED 1849485

FEATURES Location/Qualifiers  
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 Protein 1..450  
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241 appggterrp nglgpersag pggaeaep lp tqlngapgep apagprtda ldleessssd
301 haerppgprp pergprgk gk arasqvkpgd slrgagrgr rrsasglprrr
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Revised: July 5, 2002.

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Jul 16 2002 16:59:17



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
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☐ 1: AAG00447. adrenergic  
recept...[gi:9864782]

BLink, Domains, Nucleotide, Related Sequences, Domain  
Relatives, Taxonomy, LinkOut

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 DEFINITION adrenergic receptor alpha-2A [Homo sapiens].  
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 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (residues 1 to 450)  
 AUTHORS Castellano,M., Giacche',M., Rossi,F., Rivadossi,F., Perani,C.,  
 Beschi,M. and Agabiti Rosei,E.  
 TITLE A search for genetic variability in the human alpha-2 adrenergic  
 receptor on chromosome 10  
 JOURNAL Unpublished  
 REFERENCE 2 (residues 1 to 450)  
 AUTHORS Castellano,M., Giacche',M., Rossi,F., Rivadossi,F., Perani,C.,  
 Beschi,M. and Agabiti Rosei,E.  
 TITLE Direct Submission  
 JOURNAL Submitted (29-APR-2000) Medical and Surgical Sciences, University  
 of Brescia, Spedali Civili di Brescia, Brescia I-25100, Italy  
 REFERENCE 3 (residues 1 to 450)  
 AUTHORS Castellano,M., Giacche',M., Rossi,F., Rivadossi,F., Perani,C.,  
 Beschi,M. and Agabiti Rosei,E.  
 TITLE Direct Submission  
 JOURNAL Submitted (22-AUG-2000) Medical and Surgical Sciences, University  
 of Brescia, Spedali Civili di Brescia, Brescia I-25100, Italy  
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 On Aug 22, 2000 this sequence version replaced gi:9837146.  
 Method: conceptual translation.  
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PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books	
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☐ 1: AAF91441. alpha 2A  
adrenerg...[gi:9652210]

BLink, Domains, Nucleotide, Related Sequences, Domain  
Relatives, PubMed, Taxonomy, LinkOut

LOCUS AF281308\_1 450 aa linear PRI 05-DEC-2000  
 DEFINITION alpha 2A adrenergic receptor [Homo sapiens].  
 ACCESSION AAF91441  
 VERSION AAF91441.1 GI:9652210  
 DBSOURCE locus AF281308 accession AF281308.1  
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 SOURCE Homo sapiens.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (residues 1 to 450)  
 AUTHORS Small,K.M., Forbes,S.L., Brown,K.M. and Liggett,S.B.  
 TITLE An asn to lys polymorphism in the third intracellular loop of the  
 human alpha 2A-adrenergic receptor imparts enhanced  
 agonist-promoted Gi coupling  
 JOURNAL J. Biol. Chem. 275 (49), 38518-38523 (2000)  
 MEDLINE 20556293  
 PUBMED 10948191  
 REFERENCE 2 (residues 1 to 450)  
 AUTHORS Small,K.M., Forbes,S.L., Bridges,K.M. and Liggett,S.B.  
 TITLE Direct Submission  
 JOURNAL Submitted (22-JUN-2000) Internal Medicine, University of  
 Cincinnati, 231 Bethesda Ave., Cincinnati, OH 45267, USA  
 COMMENT Method: conceptual translation supplied by author.  
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## ORIGIN

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Protein

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☐ 1: AAK51162. alpha-2A  
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BLink, Domains, Nucleotide, Related Sequences,  
Domain Relatives, Taxonomy, LinkOut

LOCUS AAK51162 450 aa linear PRI 12-MAY-2001  
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 DBSOURCE accession AY032736.1  
 KEYWORDS .  
 SOURCE Homo sapiens.  
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 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (residues 1 to 450)  
 AUTHORS Liu, L. and Yuan, L.  
 TITLE Human alpha-2A adrenergic receptor gene and the genotype of -1296  
 nucleotide and motionsickness  
 JOURNAL Unpublished  
 REFERENCE 2 (residues 1 to 450)  
 AUTHORS Liu, L. and Yuan, L.  
 TITLE Direct Submission  
 JOURNAL Submitted (17-APR-2001) Key Laboratory of Molecular Biology,  
 General Hospital of Airforce, Fucheng Road No. 30, Beijing 100036,  
 China  
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## ORIGIN

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